

10/540,993

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal600txm

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'CAPLUS' AT 11:50:37 ON 17 MAR 2010
FILE 'CAPLUS' ENTERED AT 11:50:37 ON 17 MAR 2010
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	58.29	250.05
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CAS SUBSCRIBER PRICE	-7.65	-7.65

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	58.29	250.05
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CAS SUBSCRIBER PRICE	-7.65	-7.65

FILE 'REGISTRY' ENTERED AT 11:50:44 ON 17 MAR 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 MAR 2010 HIGHEST RN 1210111-73-1
DICTIONARY FILE UPDATES: 15 MAR 2010 HIGHEST RN 1210111-73-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading c:\program files\stnexp\queries\10540993 3.17.10

L5 STRUCTURE UPLOADED

=> s 15

SAMPLE SEARCH INITIATED 11:51:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 467 TO ITERATE

100.0% PROCESSED 467 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8044 TO 10636

McIntosh

10/540,993

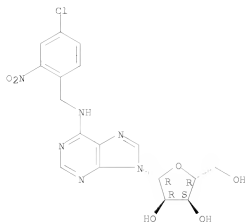
PROJECTED ANSWERS: 56 TO 504

L6 14 SEA SSS SAM L5

=> d scan

L6 14 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Adenosine, N-[(4-chloro-2-nitrophenyl)methyl]- (9CI)
MF C17 H17 Cl N6 O6

Absolute stereochemistry.

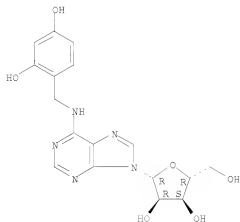


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L6 14 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Adenosine, N-[(2,4-dihydroxyphenyl)methyl]- (9CI)
MF C17 H19 N5 O6

Absolute stereochemistry.



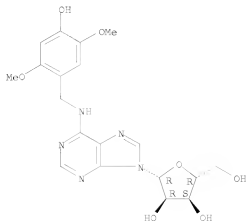
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 14 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Adenosine, N-[(4-hydroxy-2,5-dimethoxyphenyl)methyl]- (9CI)
MF C19 H23 N5 O7

McIntosh

10/540,993

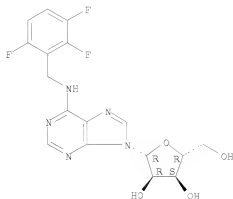
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 14 ANSWERS REGISTRY COPYRIGHT 2010 ACS ON STN
IN Adenosine, N-[(2,3,6-trifluorophenyl)methyl]-
MF C17 H16 F3 N5 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d 15
L5 HAS NO ANSWERS
L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 10:51:09 ON 17 MAR 2010)

FILE 'REGISTRY' ENTERED AT 10:51:21 ON 17 MAR 2010

McIntosh

10/540,993

L1 STRUCTURE UPLOADED
L2 14 S L1
L3 249 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:52:11 ON 17 MAR 2010
L4 48 S L3

FILE 'REGISTRY' ENTERED AT 11:50:44 ON 17 MAR 2010
L5 STRUCTURE UPLOADED
L6 14 S L5

=> s 15 full

FULL SEARCH INITIATED 11:55:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8800 TO ITERATE

100.0% PROCESSED 8800 ITERATIONS 242 ANSWERS
SEARCH TIME: 00.00.01

L7 242 SEA SSS FUL L5

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	195.95	446.00
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CAS SUBSCRIBER PRICE	0.00	-7.65

FILE 'CAPLUS' ENTERED AT 11:56:38 ON 17 MAR 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 17 Mar 2010 VOL 152 ISS 12
FILE LAST UPDATED: 16 Mar 2010 (20100316/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

L8 192 L7

=> d bib abs hitstr 180-192

L8 ANSWER 180 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1974:1282 CAPLUS

DN 80:121282

OREF 80:19535a,19538a

TI 2',3',5'-Tri-O-acyl-N6-benzyladenosines

IN Kampe, Wolfgang; Fauland, Erich; Thiel, Max; Roesch, Egon; Dietmann, Karl

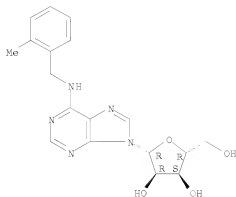
PA Boehringer Mannheim G.m.b.H.

SO Ger. Offen., 12 pp.

CODEN: GWXXBX
 DT Patent
 LA German
 FAN, CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2238923	A1	19740214	DE 1972-2238923	19720808
	CA 1003411	A1	19770111	CA 1973-177826	19730731
	GB 1384518	A	19750219	GB 1973-36489	19730801
	AU 7358857	A	19750206	AU 1973-58857	19730802
	CH 579587	A5	19760915	CH 1973-11307	19730803
	FR 2195434	A1	19740308	FR 1973-28648	19730806
	ZA 7305331	A	19740828	ZA 1973-5331	19730807
	NL 7310870	A	19740212	NL 1973-10870	19730807
	AT 7306918	A	19750115	AT 1973-6918	19730807
	AT 325784	B	19751110		
	JP 49045095	A	19740427	JP 1973-89161	19730808
PRAI	DE 1972-2238923	A	19720808		
GI	For diagram(s), see printed CA Issue.				
AB	Eight acyladenosines I (R = Ac, Bz, or nicotinoyl, Rn1 = 2-Me, 2,5-Me2, 2,4,5-Me3, 2,5-MeOCl, or 2,5-MeSCl) were prepared in 45-85% yield by acylation of I (R = H) with Ac2O, BzCl, or nicotinoyl azide. The acyl derivative had longer lasting effects on blood vessels and circulation than the starting compds. I (R = H).				
IT	23707-33-7	34349-31-0	34349-38-7		
	52622-05-6				
	RI: RCT (Reactant); RACT (Reactant or reagent)				
	(acylation of)				
RN	23707-33-7	CAPLUS			
CN	Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)				

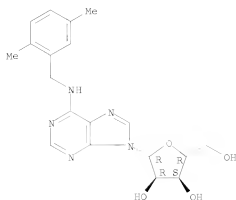
Absolute stereochemistry.



RN 34349-31-0 CAPLUS
 CN Adenosine, N-[(2,5-dimethylphenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

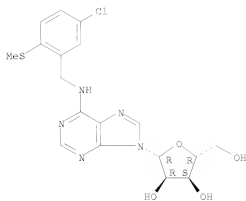
10/540,993



RN 34349-38-7 CAPLUS

CN Adenosine, N-[[5-chloro-2-(methylthio)phenyl]methyl]- (9CI) (CA INDEX NAME)

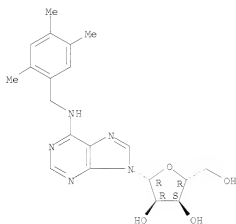
Absolute stereochemistry.



RN 52622-05-6 CAPLUS

CN Adenosine, N-[(2,4,5-trimethylphenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



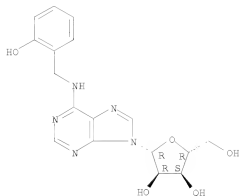
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L8 ANSWER 181 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

McIntosh

AN 1974:93268 CAPLUS
 DN 80:93268
 OREF 80:14999a,15002a
 TI Cytokinins in *Populus x robusta*. Light effects on endogenous levels
 AU Hewett, E. W.; Wareing, P. F.
 CS Dep. Bot. Microbiol., Univ. Coll. Wales, Aberystwyth, UK
 SO *Planta* (1973), 114(2), 119-29
 CODEN: PLANAB; ISSN: 0032-0935
 DT Journal
 LA English
 AB Cytokinin levels in both attached and detached mature leaves of poplar (*P. robusta*) increased transiently after short periods of exposure to red light. The degree and rapidity of response seems dependent on the physiol. condition of the leaves. The cytokinin, 6-[(2-hydroxybenzyl)aminopurine riboside, specifically increased after red light treatment. Diurnal changes of leaf cytokinins occurred, with a pronounced peak of activity being present at daybreak.
 IT 50868-58-1
 RI: BIOL (Biological study)
 (of poplar, red light effect on)
 RN 50868-58-1 CAPLUS
 CN Adenosine, N-[(2-hydroxyphenyl)methyl]- (CA INDEX NAME)

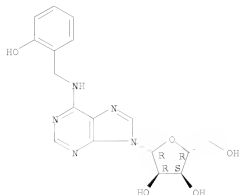
Absolute stereochemistry.



OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L8 ANSWER 182 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1973:534312 CAPLUS
 DN 79:134312
 OREF 79:21771a,21774a
 TI New cytokinin from *Populus robusta*
 AU Horgan, R.; Hewett, E. W.; Purse, J. G.; Wareing, P. F.
 CS Dep. Bot. Microbiol., Univ. Coll. Wales, Aberystwyth, UK
 SO *Tetrahedron Letters* (1973), (30), 2827-8
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English
 GI For diagram(s), see printed CA Issue.
 AB A new cytokinin was isolated from the leaves of *P. robusta* and shown to be 6-[(o-hydroxybenzyl)amino]-9- β -D-ribofuranosylpurine (I).
 IT 50868-58-1
 RI: BIOL (Biological study)
 (in *Populus robusta*)
 RN 50868-58-1 CAPLUS
 CN Adenosine, N-[(2-hydroxyphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.



LS ANSWER 183 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1973:413413 CAPLUS

DN 79:13413

OREF 79:2119a,2122a

TI Inhibitors of nucleoside and nucleotide metabolism

AU Henderson, J. F.; Paterson, A. R. P.; Caldwell, I. C.; Paul, B.; Chan, M. C.; Lau, K. F.

CS Cancer Res. Unit, Univ. Alberta, Edmonton, AB, Can.

SO Cancer Chemotherapy Reports, Part 2 (1973), 3(1), 71-85

CODEN: CCUSBJ; ISSN: 0069-0120

DT Journal

LA English

AB A total of 164 purine and pyrimidine derivs. and analogs were screened for inhibition of nucleoside and nucleotide metab in 4 test systems. Among a number of potent inhibitors identified, N6-(3-methyl-2-butenyl)-adenosine [7724-76-7] and 4-(dimethylamino)-7- β -D-ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidine (I) [20371-00-0] inhibited de novo purine biosynthesis in incubated Ehrlich ascites tumor cells, α -(2-amino-9H-purin-9-yl)- α' -(hydroxymethyl)diglycolaldehyde-bis(phenylhydrazones) (II) [40297-52-7] inhibited adenine phosphoribosyltransferase [9027-80-9] from Ehrlich ascites tumor cells, 4-amino-5-iodo-7- β -D-ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidine [24386-93-4] inhibited adenine kinase [9027-72-9] activity in tumor cell exts., and 2-amino-6-[(p-fluorobenzyl)thio]-9- β -D-ribofuranosyl-9H-purine (III) [40297-53-8] and N6-(p-nitrobenzyl)-adenosine [40297-54-9] inhibited nucleoside transport (inosine synthesis) in incubated human erythrocytes.

IT 40297-54-9

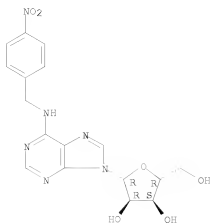
RL: Biol. (Biological study)

(inosine formation by erythrocytes in response to)

RN 40297-54-9 CAPLUS

CN Adenosine, N-[(4-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



1/8 ANSWER 184 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1973:24846 CAPLUS

DN 78:124846

OREF 78:20071a,20074a

TI N-Benzyladenosine derivatives

IN Kampe, Wolfgang; Fauland, Erich; Thiel, Max; Juhra, Wolfgang; Stork, Harald

PA Boehringer Mannheim G.m.b.H.

SO Ger. Offen., 20 pp.

CODEN: GWXEXX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2136624	A	19730208	DE 1971-2136624	19710722
	GB 1340643	A	19731212	GB 1972-33537	19720618
	US 3845035	A	19741029	US 1972-271098	19720712
	ZA 7204891	A	19730530	ZA 1972-4891	19720717
	CH 569035	A5	19751114	CH 1975-10617	19720719
	CH 570420	A5	19751215	CH 1972-10795	19720719
	NL 7210023	A	19730124	NL 1972-10023	19720720
	CA 979891	A1	19751216	CA 1972-147625	19720720
	SU 539532	A3	19761215	SU 1972-1812966	19720720
	FR 2146493	A1	19730302	FR 1972-26450	19720721
	AT 317446	B	19740826	AT 1972-6288	19720721
	AT 790673	A	19750415	AT 1973-7906	19720721
PRAI	DE 1971-2136624	A	19710722		

GI For diagram(s), see printed CA Issue.

AB Thirty-three title comps. (I; X = NHCH2C6H5-nRn; R = Cl, OH, NH2 or Br; Rn = e.g. 2-OH, 3,2-HOMe, 2,5 HOCl, 2,4- HOCl) were prepared by reaction of I (X = Cl) containing free or acetyl group-protected OH-groups with H2NCH2C6H5-nRn or from the adenosine derivative and ClCH2C6H5-nRn. I had circulatory and antilipemic effects.

IT 40297-54-9P 40896-26-2P 40896-32-0P

40896-39-7P 40896-40-0P 40896-41-1P

40896-43-3P 40896-45-5P 40896-50-2P

40896-52-4P 40958-96-1P 40958-97-2P

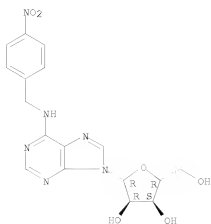
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 40297-54-9 CAPLUS

CN Adenosine, N-[(4-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

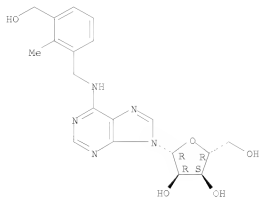
Absolute stereochemistry.



RN 40896-26-2 CAPLUS

CN Adenosine, N-[[3-(hydroxymethyl)-2-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

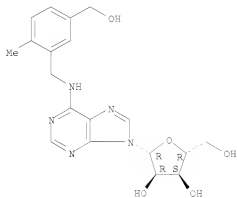
Absolute stereochemistry.



RN 40896-32-0 CAPLUS

CN Adenosine, N-[[5-(hydroxymethyl)-2-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



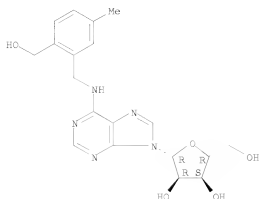
RN 40896-39-7 CAPLUS

CN Adenosine, N-[[2-(hydroxymethyl)-5-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

10/540,993

NAME)

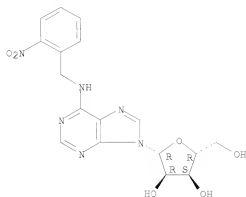
Absolute stereochemistry.



RN 40896-40-0 CAPLUS

CN Adenosine, N-[(2-nitrophenyl)methyl]- (CA INDEX NAME)

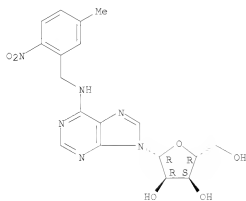
Absolute stereochemistry.



RN 40896-41-1 CAPLUS

CN Adenosine, N-[(5-methyl-2-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

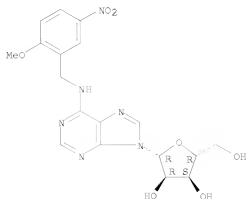


RN 40896-43-3 CAPLUS

CN Adenosine, N-[(2-methoxy-5-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

McIntosh

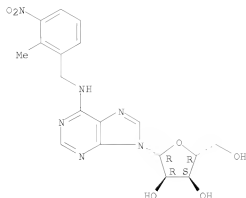
Absolute stereochemistry.



RN 40896-45-5 CAPLUS

CN Adenosine, N-[(2-methyl-3-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

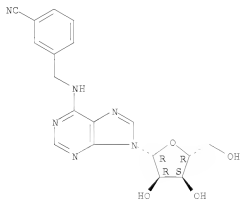
Absolute stereochemistry.



RN 40896-50-2 CAPLUS

CN Benzonitrile, 3-[[(9-β-D-ribofuranosyl-9H-purin-6-yl)amino)methyl]-
(CA INDEX NAME)

Absolute stereochemistry.

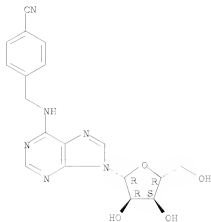


RN 40896-52-4 CAPLUS

CN Adenosine, N-[(4-cyanophenyl)methyl]- (CA INDEX NAME)

10/540,993

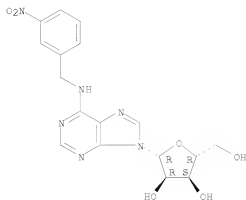
Absolute stereochemistry.



RN 40958-96-1 CAPLUS

CN Adenosine, N-[(3-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)

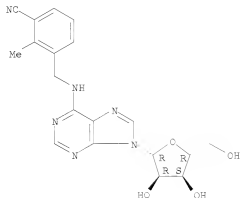
Absolute stereochemistry.



RN 40958-97-2 CAPLUS

CN Adenosine, N-[(3-cyano-2-methylphenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



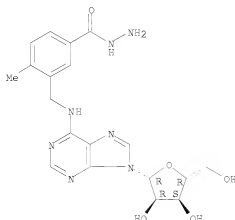
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

McIntosh

L8 ANSWER 185 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1972:502140 CAPLUS
 DN 771:02140
 OREF 771:16847a,16850a
 TI N-[[[Hydrazinocarbonyl]phenyl]alkyl]adenosines
 IN Jahr, Werner; Kampe, Wolfgang; Fauland, Erich; Juhren, Wolfgang; Stork, Harald
 PA Boehringer Mannheim G.m.b.H.
 SO Ger. Offen., 14 pp.
 CODEN: GWXXRX
 DT Patent
 LA German
 FAN,CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2060189	A	19720615	DE 1970-2060189	19701208
	US 3787391	A	19740122	US 1971-201174	19711122
	NL 7116564	A	19720612	NL 1971-16564	19711202
	GB 1313459	A	19730411	GB 1971-56025	19711202
	SU 444368	A3	19740925	SU 1971-1721738	19711202
	AU 7136492	A	19730607	AU 1971-36492	19711203
	CH 567045	A5	19750930	CH 1971-17640	19711203
	CH 568330	A5	19751031	CH 1975-8284	19711203
	CH 568331	A5	19751031	CH 1975-8285	19711203
	ZA 7108177	A	19720927	ZA 1971-8177	19711207
	HU 163227	B	19730728	HU 1971-101335	19711207
	AT 312172	B	19731227	AT 1971-10533	19711207
	AT 318821	B	19741125	AT 1972-9168	19711207
	AT 318822	B	19741125	AT 1972-9169	19711207
	CA 960656	A1	19750107	CA 1971-129590	19711207
	FR 2117935	A5	19720728	FR 1971-43996	19711208
PRAI	DE 1970-2060189	A	19701208		
	GI For diagram(s), see printed CA Issue.				
	AB Fourteen title compds. (1, 2-, 3-, 4-, or 5-CONHNHRI; Q = CH2, CH2CH2, CH2CH2O; R = H, 2-Me, 3-Cl; R1 = H, p-ClC6H4CO, p-MeOC6H4CO, p-HOCH2CH2CO, o-MeC6H4CO), useful as blood-circulation-active and serum-lipids-lowering agents, were prepared by reaction of tri-O-acetyladenosine with R(R1NHHCOC6H3QBr or of adenosine N-(R(R1O2C)C6H3Q) derivative with N2H4.H2O.				
IT	38790-46-4P 38790-49-7P 38790-52-2P				
	RI: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	38790-46-4 CAPLUS				
CN	Benzolic acid, 4-methyl-3-[(9-β-D-ribofuranosyl-9H-purin-6-yl)amino]methyl]-, hydrazide (CA INDEX NAME)				

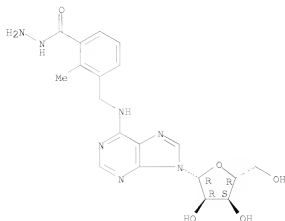
Absolute stereochemistry.



10/540,993

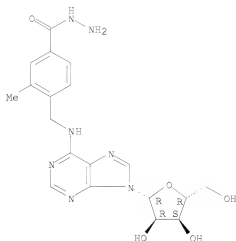
RN 38790-49-7 CAPLUS
CN Benzoic acid, 2-methyl-3-[[[(9- β -D-ribofuranosyl-9H-purin-6-yl)amino]methyl]-, hydrazide (CA INDEX NAME)

Absolute stereochemistry.



RN 38790-52-2 CAPLUS
CN Benzoic acid, 3-methyl-[[[(9- β -D-ribofuranosyl-9H-purin-6-yl)amino]methyl]-, hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



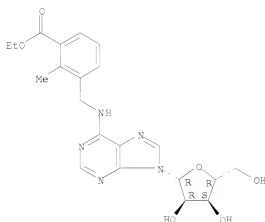
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L8 ANSWER 186 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1972:502139 CAPLUS
DN 77:102139
OREF 77:16847a,16850a
TI N-(Acylbenzyl- and -phenethyl)adenosines
IN Kampe, Wolfgang; Fauland, Erich; Stork, Harald; Juhran, Wolfgang;
Dietmann, Karl
PA Boehringer Mannheim G.m.b.H.
SO Ger. Offen., 20 pp.
CODEN: GWXXEX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI DE 2059922 A 19720615 DE 1970-2059922 19701205
 US 3817981 A 19740618 US 1971-199727 19711117
 SU 469253 A3 19750430 SU 1971-1723201 19711130
 SU 506294 A3 19760305 SU 1971-1913745 19711130
 NL 715663 A 19720607 NL 1971-16563 19711202
 GB 1313290 A 19730411 GB 1971-56024 19711202
 CH 567044 A5 19750930 CH 1971-17633 19711202
 CH 573445 A5 19760315 CH 1975-8318 19711202
 FR 2116517 A5 19720713 FR 1971-43419 19711203
 FR 2116517 B1 19750801
 ZA 7108104 A 19720927 ZA 1971-8104 19711203
 AU 7136493 A 19730607 AU 1971-36493 19711203
 HU 163670 B 19731027 HU 1971-101334 19711203
 AT 314094 B 19740325 AT 1971-10436 19711203
 CA 960655 A1 19750107 CA 1971-129319 19711203
 AT 323335 B 19750710 AT 1971-323335 19711203
 PRAI DE 1970-2059922 A 19701205
 GI For diagram(s), see printed CA issue.
 AB Forty-five title compds. (I, Y = X, 2-R(R1)C6H39CH2)nNH; n = 1, 2; R = 3- or 4-carboxy, -alkoxycarbonyl, -carbamoyl, -allylcarbamoyl; R1 = H, Me; R2 = H, Cl, OH) (II), useful as hypolipemic agents with effects on circulation, were prepared by reaction of the corresponding I (Y = Cl) (III) with X, 2-R(R1)C6H3(CH2)nNH2 and subsequent saponification or amidation. Thus, refluxing III (R2 = H) and 3-EtO2C-C6H4CH2CH2NH2.HCl in EtOH in the presence of Et3N for 3 hr gave 65% II (n = 2, R = 3-EtO2C, R1 = R2 = H), which was heated in EtOH at 120° for 15 hr with NH3 to give 64% II (n = 2, R = 3-H2NCO, R1 = R2 = 5h).
 IT 38823-50-6P 38823-56-2P 38823-59-5P
 38823-66-4P 38823-69-7P 38823-72-2P
 38823-79-9P 38823-81-3P 38823-82-4P
 38823-90-4P
 RI: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 38823-50-6 CAPLUS
 CN Benzoic acid, 2-methyl-3-[[[9-β-D-ribofuranosyl-9H-purin-6-yl]amino]methyl]-, ethyl ester (CA INDEX NAME)

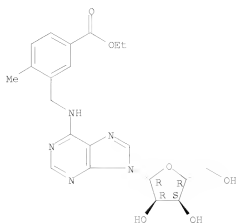
Absolute stereochemistry.



RN 38823-56-2 CAPLUS
 CN Benzoic acid, 4-methyl-3-[[[9-β-D-ribofuranosyl-9H-purin-6-yl]amino]methyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

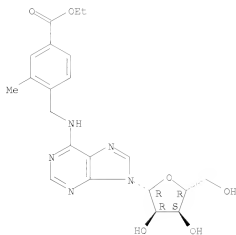
10/540,993



RN 39823-59-5 CAPLUS

CN Benzoic acid, 3-methyl-4-[[[(9-β-D-ribofuranosyl-9H-purin-6-yl)amino]methyl]-, ethyl ester (CA INDEX NAME)

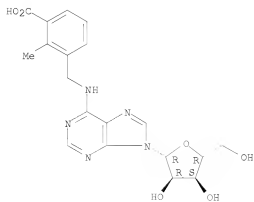
Absolute stereochemistry.



RN 39823-66-4 CAPLUS

CN Benzoic acid, 2-methyl-3-[[[(9-β-D-ribofuranosyl-9H-purin-6-yl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

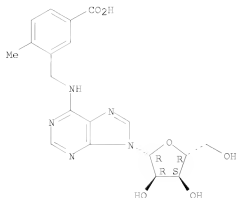


McIntosh

10/540,993

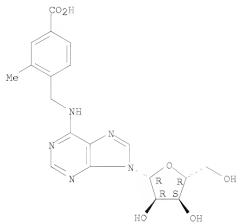
RN 38823-69-7 CAPLUS
CN Benzoic acid, 4-methyl-3-[[[(9- β -D-ribofuranosyl-9H-purin-6-yl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 38823-72-2 CAPLUS
CN Benzoic acid, 3-methyl-4-[[[(9- β -D-ribofuranosyl-9H-purin-6-yl)amino]methyl]- (CA INDEX NAME)

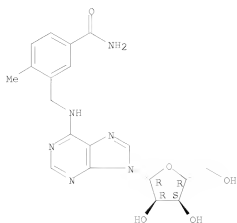
Absolute stereochemistry.



RN 38823-79-9 CAPLUS
CN Adenosine, N-[[[5-(aminocarbonyl)-2-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

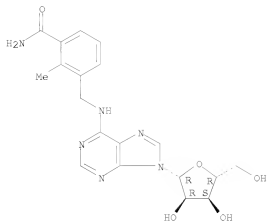
10/540,993



RN 38923-91-3 CAPLUS

CN Adenosine, N-[[3-(aminocarbonyl)-2-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

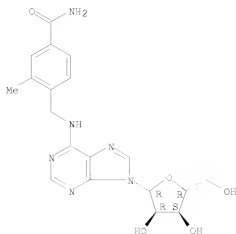
Absolute stereochemistry.



RN 38923-92-4 CAPLUS

CN Adenosine, N-[[4-(aminocarbonyl)-2-methylphenyl]methyl]- (9CI) (CA INDEX NAME)

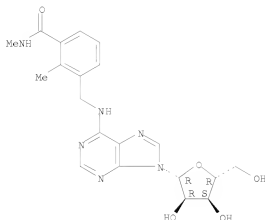
Absolute stereochemistry.



RN 38823-90-4 CAPLUS

CN Adenosine, N-[[2-methyl-3-[(methylamino)carbonyl]phenyl]methyl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L8 ANSWER 187 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1972:483708 CAPLUS

DN 77:83708

OREF 77:13769a,13772a

TI Clinical-pharmacological studies with a new orally active adenosine derivative

AU Schaumann, E.; Kutscha, W.

CS I. Med. Klin. Mannheim, Univ. Heidelberg, Mannheim, Fed. Rep. Ger.

SO Arzneimittel-Forschung (1972), 22(4), 783-90

CODEN: ARZNAD; ISSN: 0004-4172

DT Journal

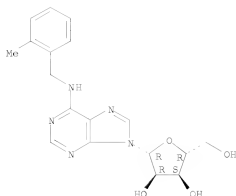
LA German

AB Metrifudil [N6-(o-methylbenzyl)adenosine] (I) [23707-33-7] was tested in humans. Administration of 0.03 mg/kg i.v. and of 0.35 mg/kg orally increased the heart rate and cardiac output. Neither impairment of atrioventricular conduction nor other alterations of the electrocardiogram was observed. Unpleasantness and other side effects were caused by i.v. and oral administration of 0.1 and 0.47-0.53 mg I/kg, resp. The limit of tolerability was reached earlier if the speed of i.v. infusion exceeded 16 µg/kg/min. No critical changes in circulatory parameters were found. I.v. injection of I caused no inflammation or alteration of the veins. The concentration of serum fatty acids was lowered only by i.v. administration of

I. A 50% absorption of I was estimated by comparing the increase of the heart rate after i.v. and oral administration.

IT 23707-33-7
 RI: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (pharmacol. of)
 RN 23707-33-7 CAPLUS
 CN Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.

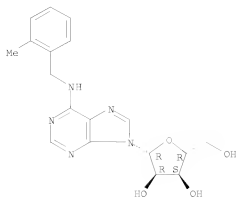


OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L8 ANSWER 188 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1972:154069 CAPLUS
 DN 76:154069
 OREF 76:25121a,25124a
 TI Novel synthesis of N6-substituted adenosines and their coronary dilator activities
 AU Shimizu, Bunji; Kaneko, Masakatsu; Saito, Akio; Nishino, Hiroshi; Mizuno, Hiroshi; Nakayama, Koichi; Ohshima, Takeshi; Koike, Hiroyuki
 CS Sankyo Res. Lab., Tokyo, Japan
 SO Sankyo Kenkyusho Nenpo (1971), 23, 117-23
 CODEN: SKKNAJ; ISSN: 0080-6064
 DT Journal
 LA Japanese
 AB N6-Substituted adenosine derivs. (PhCH2, PhCH2CH2, naphthylmethyl, Me2CHCH2, o-MeC6H4-CH2, m-MeC6H4CH2, p-MeC6H4CH2, furfurylmethyl) in addition to N6-benzyl-9- β -D-arabinofuranosyladenine, and N6-benzyl-9- β -D-glucopyranosyladenine were synthesized directly from adenosine by exchange amination reactions of the corresponding purine or pyrimidine bases. The mechanism of formation of these nucleosides and their coronary-dilating activities were described.
 IT 23707-33-7P 35940-03-5P 35940-04-6P
 RI: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as blood vessel dilators)
 RN 23707-33-7 CAPLUS
 CN Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.

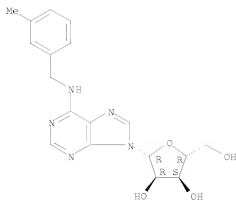
10/540,993



RN 35940-03-5 CAPLUS

CN Adenosine, N-[(3-methylphenyl)methyl]- (CA INDEX NAME)

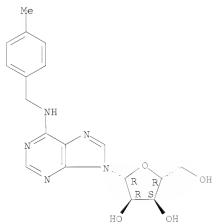
Absolute stereochemistry.



RN 35940-04-6 CAPLUS

CN Adenosine, N-[(4-methylphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 189 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1971:541121 CAPLUS

DN 75:141121

McIntosh

OREF 75:22273a,22276a

TI Coronary dilating N6-benzyladenosines

IN Kampe, Wolfgang; Pauland, Erich; Thiel, Max; Dietmann, Karl; Juhran,

Wolfgang

PA Boehringer Mannheim G.m.b.H.

SO Ger. Offen., 10 pp.

CODEN: GWXKX

DT Patent

LA German

FAN,CNI 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2007273	A	19710826	DE 1970-2007273	19700218
	SU 199134	A3	19730927	SU 1971-1616102	19710129
	US 3781273	A	19731225	US 1971-112424	19710203
	NL 7102026	A	19710820	NL 1971-2026	19710216
	DK 123357	B	19720612	DK 1971-694	19710216
	HU 162739	B	19730428	HU 1971-BO1274	19710216
	CH 549596	A	19740531	CH 1971-2208	19710216
	CH 549600	A	19740531	CH 1974-2849	19710216
	CA 953714	A1	19740827	CA 1971-105563	19710216
	ZA 7101030	A	19711124	ZA 1971-1030	19710217
	FR 2081524	A5	19711203	FR 1971-5318	19710217
	FR 2081524	B1	19740927		
	AT 306251	B	19730410	AT 1971-1378	19710217
	AT 313483	B	19740225	AT 1972-1233	19710217
	JP 51016440	B	19760524	JP 1971-7691	19710218
	GB 1279946	A	19720628	GB 1971-1279946	19710419
	PRAI DE 1970-2007273	A	19700218		

GI For diagram(s), see printed CA Issue.

AB The title compds. (I, where R = Me, MeS, or MeO, R1 = 5-Me, 5-Cl, 5-MeO, 5-iso-Pr, 5-F, 5-tert-Bu, 3-Me, or 3-Cl) were prepared wither by amination of the 6-chloro derivative or by N1-substitution of adenosine followed by alkaline rearrangement. Thus, 9-(2,3,5-tri-O-acetyl- β -D-ribofuranosyl)-6-chloropurine, 2,5-Me2C6H3CH2NH2, and Et3N in iso-PrOH was refluxed 3 hr and the protective Ac groups cleaved by NaOMe to give 61% I (R = Me, R1 = 5-Me). Similarly prepared were 11 other I.

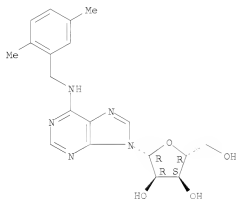
IT 34349-31-OP 34349-32-IP 34349-33-2P
 34349-34-3P 34349-35-4P 34349-37-6P
 34349-38-7P 34349-39-8P 34349-40-1P
 34349-41-2P 34422-72-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 34349-31-0 CAPLUS

CN Adenosine, N-[(2,5-dimethylphenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

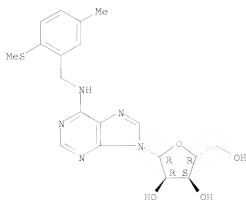


RN 34349-32-1 CAPLUS

CN Adenosine, N-[5-methyl-2-(methylthio)benzyl]- (8CI) (CA INDEX NAME)

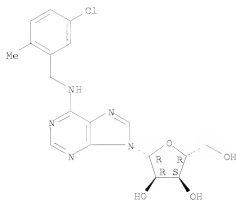
Absolute stereochemistry.

10/540,993



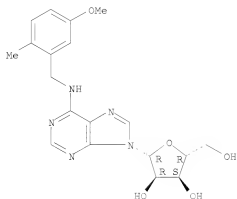
RN 34349-33-2 CAPIUS
CN Adenosine, N-(5-chloro-2-methylbenzyl)- (8CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 34349-34-3 CAPIUS
CN Adenosine, N-(5-methoxy-2-methylbenzyl)- (8CI) (CA INDEX NAME)

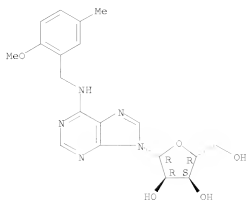
Absolute stereochemistry.



RN 34349-35-4 CAPIUS
CN Adenosine, N-(2-methoxy-5-methylbenzyl)- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

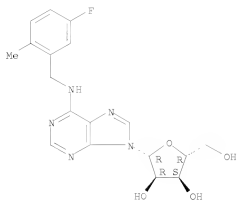
10/540,993



RN 34349-37-6 CAPLUS

CN Adenosine, N-[(5-fluoro-2-methylphenyl)methyl]- (9CI) (CA INDEX NAME)

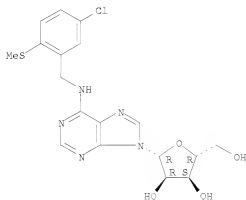
Absolute stereochemistry.



RN 34349-38-7 CAPLUS

CN Adenosine, N-[[5-chloro-2-(methylthio)phenyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



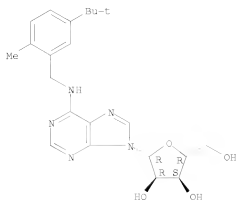
RN 34349-39-8 CAPLUS

CN Adenosine, N-{5-tert-butyl-2-methylbenzyl}- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

McIntosh

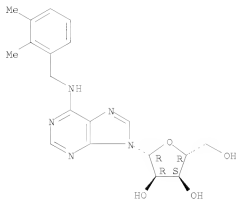
10/540,993



RN 34349-40-1 CAPLUS

CN Adenosine, N-[(2,3-dimethylphenyl)methyl]- (9CI) (CA INDEX NAME)

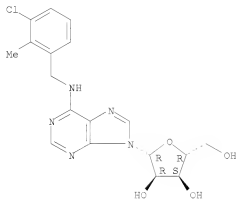
Absolute stereochemistry.



RN 34349-41-2 CAPLUS

CN Adenosine, N-[(3-chloro-2-methylphenyl)methyl]- (9CI) (CA INDEX NAME)

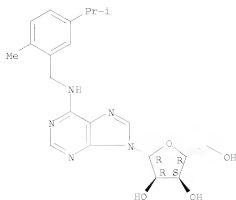
Absolute stereochemistry.



RN 34422-72-5 CAPLUS

CN Adenosine, N-(5-isopropyl-2-methylbenzyl)- (8CI) (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

LS ANSWER 190 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1971:433660 CAPLUS

DN 75:33660

OREF 75:5316h,5317a

TI Pharmacological effects on coronary reactive hyperemia in conscious dogs

AU Jühran, W.; Voss, E. M.; Dietmann, K.; Schaumann, W.

CS Pharmakol. Lab., Boehringer Mannheim G.m.b.H., Mannheim, Fed. Rep. Ger.

SO Naunyn-Schmiedeberg's Archiv fuer Pharmakologie (1971), 269(1), 32-47

CODEN: NNAPBA; ISSN: 0340-5249

DT Journal

LA English

GI For diagram(s), see printed CA Issue.

AB In conscious dogs, threshold doses of dipyridamole (I) and lidoflazine (II), which potentiate the dilation of coronary vessels by adenosine, increased reactive hyperemia in response to arterial occlusion lasting >30 sec, whereas threshold doses of coronary dilators, such as N6-(o-methylbenzyl)adenosine (III) and carbochromen (IV), which do not potentiate adenosine, did enhance reactive hyperemia for any duration of occlusion. Theophylline decreased the duration of reactive hyperemia, but not the excess flow. Procaine-HCl infused into the coronary artery caused a dose-dependent reduction of the reactive hyperemia. Apparently, appreciable amts. of adenosine were liberated only during complete anoxia for >30 sec. Under physiol. conditions coronary resistance was probably regulated by a nervous mechanism and not by adenosine liberation.

IT 23707-33-7

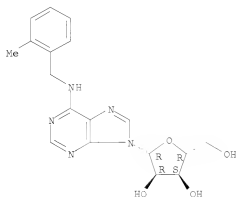
RL: BIOL (Biological study)

(hyperemia response to)

RN 23707-33-7 CAPLUS

CN Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)

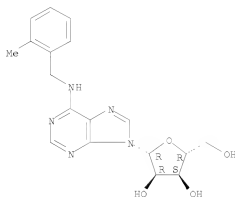
Absolute stereochemistry.



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L8 ANSWER 191 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1971:86054 CAPLUS
 DN 74:86054
 CREF 74:13963a,13966a
 TI Inhibition of induced thrombocyte aggregation by adenosine and adenosine derivatives. II. Correlation between inhibition of the aggregation and peripheral vasodilatation
 AU Dietmann, Karl; Birkenheier, H.; Schaumann, Wolfgang
 CS Med. Forsch., Firma Boehringer Mannheim G.m.b.H., Mannheim-Waldhof, Fed. Rep. Ger.
 SO Arzneimittel-Forschung (1970), 20(11), 1749-51
 CODEN: ARZNAD; ISSN: 0004-4172
 DT Journal
 LA German
 GI For diagram(s), see printed CA Issue.
 AB The ability of adenosine (I) and 20 adenosine derivs. to produce vasodilation in rabbits was correlated with their ability to antagonize ADP-induced thrombocyte aggregation in vitro. The N6-phenylalkyl substituted derivs., N6-(cis, trans-2-phenylcyclo-pentyl)adenosine and N6-(trans-dl-2-phenylcyclopentyl)adenosine (II), were more active than the aliphatic substituted derivs., 2-chloro-N6-propyl-, 2-chloro-N6-allyl-, and 2-chloro-N6-sec-butyladenosines, as well as the N6-benzyl derivs., 2-chloro-N6-benzyladenosine, 2-amino-N6-(2-chlorobenzyl)adenosine, N6-(o-xylyl)adenosine, N6-(o-trifluoromethylbenzyl)adenosine, and N6-(3,5-dimethoxybenzyl)adenosine. The most active derivative, II, was half as active as adenosine.
 IT 23707-33-7
 RI: BIOL (Biological study)
 (blood platelet aggregation and vasodilation by)
 RN 23707-33-7 CAPLUS
 CN Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 192 OF 192 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1969:115505 CAPLUS
 DN 70:115505
 CREF 70:21591a,21594a
 TI N6-Aralkyl adenosine derivatives
 IN Thiel, Max; Stach, Kurt; Jahn, Werner; Schaumann, Wolfgang; Dietmann, Karl
 PA Boehringer, C. F., und Soehne G.m.b.H.
 SO S. African, 15 pp.
 CODEN: SFXXAB
 DT Patent
 LA English
 FAN.CNT 1

PI	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA	6707414		19680502		
DE	1670171			DE	
FR	1550512			FR	
GB	1145789			GB	

US 3506643 19700414 US 19671018
 PRAI DE 19661209
 DE 19670711

OS MARPAT 70:115505

GI For diagram(s), see printed CA issue.

AB The title compds. (I), where halogen, alkyl, alkoxy, F3C or alkylthio, or two substituents may be H or a methylenedioxy, are prepared from the corresponding D-ribosides and benzylamines, or from the corresponding N'-substituted adenosine derivs. Thus, 8.2 g.

tri-O-acetyl-6-chloro-9- β -D-ribose-9-H-purine and 7.2 g.

2-ClC6H4CH2NH2 in 120 cc. iso-PrOH were refluxed 2 hrs., worked up and the residue dissolved in 100 cc. MeOH, 10 cc. N NaOH solution added and the mixture refluxed 1 hr. to yield 4 g. I (R = 2-Cl), m. 182-3°. The

following I were similarly prepared (R and m.p. given): 3,4-Cl2, 182-3°; 4-MeO, 146-7°; 3,4-(MeO)2, 135-6°;

3,4,5-(MeO)3, 118-19°; 2,6-Cl2, 207-9°; 4-Cl, 174-5°;

3-Cl, 168-9°; 2-MeO, 147-8°; 2-Me, 157-8°;

3,5-(MeO)2, 191-2°; 2-MeS, 127-8°; 2-F3C, 160-1°; and

3-F3C, 111-12°. To a suspension of 10 g.

2',3'-O-isopropylideneadenosine in 200 cc. MeCN, 10 g. p-BrC6H4Br was

added and the mixture refluxed 24 hrs. with stirring. The precipitate which formed was filtered off, dissolved in 150 cc. MeOH and an equal volume 2N NaOH

solution was added. The mixture was heated on a steam bath 20 min., extracted with CHCl3, evaporated, and the residue dissolved in 200 cc. HCO2N. Water was

added until the mixture became cloudy. The mixture was left standing 1 day at

ambient temperature, after which it was evaporated in vacuo, and the residue made

weakly alkaline with an aqueous solution of concentrated NH3 to yield 5.8 g. I (R = 4-Br), m. 168-9°. I exhibit an effect on blood vessels and circulation.

IT 23661-00-9P 23707-33-7P

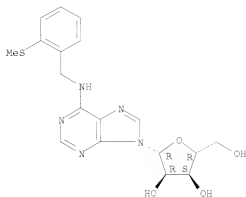
RI: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 23661-00-9 CAPLUS

CN Adenosine, N-[o-(methylthio)benzyl]- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

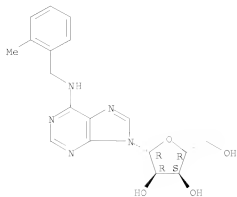


RN 23707-33-7 CAPLUS

CN Adenosine, N-[(2-methylphenyl)methyl]- (CA INDEX NAME)

Absolute stereochemistry.

10/540,993



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)